

Research: Microbes in
water, e.g. fish
tank, vase etc.

Loyola Senior High School



ASSESSMENT NOTIFICATION Biology HSC Course

DUE DATE: 6 June 2008

WEIGHTING: Written Report: 15 %
In-class Follow-up Test: 15 %

TASK: OPEN-ENDED INVESTIGATION

- 1) You will be assigned to a group, between three to four members each, and your group will be allocated one of the following SCIENTIFIC QUESTIONS.

- A) What kinds of microbes can be found in food?
B) What kinds of microbes can be found in water?

- 2) Your task is to **conduct an open-ended investigation to answer the question** allocated to your group. In your investigation, you will need to:

- Find information from people, books, scientific magazines, Internet, etc.
- Design and perform an experiment.
- Complete a progress logbook (one per person) recording the development of your investigation. Each entry must be dated and signed.

- 3) **Submit a final report (one per person) with the following information. (2000 words max.)**

- Write a brief introduction about the scientific question you investigated.
- Describe your findings from people, books, scientific magazines, Internet, etc. **Use your own words.**
- Explain your experiment(s). (AIM, METHOD, RESULTS, CONCLUSION)
Include an explanation on how you made your procedures as safe as possible.
- Explain how your library findings link with your experimental conclusions.
- Describe problems/difficulties you had. **How** could you improve on your investigation?
- Explain your final answer to the question you have worked on. If you have not reached a definite answer, **explain why not.**
- Draw a concept map summarising your investigation.
- Include a **BIBLIOGRAPHY**. All sources of information must be acknowledged.
- Acknowledgement.

- 4) **Submit your progress logbook (one per person).**

- 5) You will **do an in-class follow-up test on 6 June 2008** to explain your investigation. In this follow-up test, you do the test individually (not with your group).

include
more sub-
headings.
e.g. Risk Assess-
ment, safety
etc.
mistakes,
improvements

Comparison
between research
and experiment